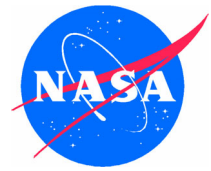


Open Channel Software Ideal Partner to Promote NASA's Software



TECHNOLOGY

Open Channel Software has licensed NASA Glenn's COMPARE engineering software to a federal research laboratory. COMPARE was developed to assist in the prediction of the long term behavior of materials operating in extreme conditions, such as those found in rocket engines.

COMMERCIAL APPLICATION

Open Channel Software (OCS) signed an earlier agreement with NASA Glenn to publish NASA software through OCS's Web-based open source repository. GLITeC and NICC have continued to work with OCS through this software commercialization process, meeting with OCS and NASA software authors and assisting with market research. GLITeC/NICC staff also assisted OCS in down selecting to one initial target NASA software on which the company could focus its efforts: COMPARE. Through funding provided by an NICC Award, the software code was enhanced to a commercially-ready, user-friendly status. Most notably the code was rewritten to perform in a Windows desktop environment. OCS was then able to license this software to an initial interested party, a federal research laboratory.



John Kennedy, President of Open Channel Software, received an award from NICC that enabled the company's commercialization efforts.

SOCIAL/ECONOMIC BENEFIT

COMPARE, the CONstitutive Material PARAMeter Estimator, drastically cuts the time required to take experimental data and balance the parameters in order to model material for use in finite element analysis systems. COMPARE performs functions in minutes or hours that would typically take months if performed by hand.

NASA APPLICATIONS

NASA develops engineering software to perform complex engineering analysis. By working with OCS to prepare this software for commercialization, NASA will receive greatly improved code which will enhance researchers' abilities to perform key tasks.

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